



SUBJECT

N20 and N26 Differential Pressure Sensor Fault 195002 Stored in DME

MODEL

F10 (5 Series Sedan)

F22 (2 Series Coupe)

F25 (X3)

F26(X4)

F30 (3 Series Sedan)

F31 (3 Series Sports Wagon)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (3 Series Gran Turismo)

F36 (4 Series Gran Coupe)

Produced to 12/2014

With the N20 and N26 engines

SITUATION

The Service Engine Soon (MIL) light is on with the following differential pressure sensor fault stored:

- 195002 - Differential pressure sensor, tank vent valve, electrical: Short circuit to ground

CAUSE

During engine operation, vibration and movement of the sensor can damage the pin contacts of the harness connector, or cause a break in the wiring.

CORRECTION

Perform diagnosis with the latest version of ISTA. (A revised test plan for this DME fault will be included in ISTA 3.48, coming in February 2015).

Install a differential pressure sensor repair harness, which is spliced in at the DME connector.

It now includes a harness clip to secure it to the ventilation pipe, to prevent any future damage.

The repair procedure is described in the attachment.

PARTS INFORMATION

| | | |
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| Part Number | Description | Quantity |
|-----------------|------------------------|----------|
| 12 51 8 645 886 | Adapter repair harness | 1 |

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Limited Warranty.

| | | |
|-------------------------|-------------------------|---|
| Defect Code: | 12 51 90 01 00 | |
| | | |
| Labor Operation: | Labor Allowance: | Description: |
| 00 00 006 | Refer to KSD2 | Performing “vehicle test” (with vehicle diagnosis system – checking faults) |
| And | | |
| 61 21 528 | Refer to KSD2 | Connect an approved battery charger/power supply (indicated in KSD 2 as Charging battery) |
| And | | |
| +00 62 840 | Refer to KSD2 | Install adapter repair harness |

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

ATTACHMENTS

View PDF attachment [B120115_N20_N26 Differential Pressure Sensor Harness Repair](#).

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